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SI-TEX MDS Series Radar Antennas



Features

- Choose from 12.4", 20" and 23.5" radomes or 4ft open array
- 10-30V operation
- 2-4KW power capability
- Connects via high speed serial port
- Full screen radar display with chart overlay capability
- Split screen chart-radar display
- Guard zone alarm
- EBL & VRM function
- Heat up, course up and north up display modes (with optional compass sensor)
- Target expansion and echo trails
- True or relative motion
- Picture offset capability

The Si-Tex range of radars have been especially adapted to work with the popular Standard Horizon range of chart plotters - bringing a new dimension to their capability at very competitive prices. Software is now available from Standard to upgrade the plotters to be "radar capable." Older units can also be upgraded with a simple, plug in card that plugs into the chart slot to allow DIY upgrades.

These radar antennas are manufactured by Koden - a world leader in radar technology and you'll often see Koden products on commercial ships and work boats. They offer exceptional quality and performance

The radar scanner connects to the plotter via a simple junction box connection and takes advantage of the spare high speed data ports that are available on the CP series plotters. Once installed, the user can choose from true or relative motion display modes, course up, head up or north up presentation (with a heading sensor connected) and a choice of full or split screen displays. The radar image can also be overlaid onto the chart plotter screen.

SPECIFICATION	MDS1	MDS8	MDS9	MDS10
TYPE	Radome	Radome	Radome	Open array
POWER SUPPLY	10-31 V DC	10-41 V DC	10-41 V DC	10-41 V DC
POWER CONSUMPTION	30w or less	30w or less	45w or less	80w or less
MIN RANGE	1/8 NM	1/8 NM	1/8 NM	1/8 NM
MAX RANGE	16NM	24NM	36NM	48NM
SCANNER DIAMETER	12.5" (315mm)	20" (507mm)	24" (597mm)	4' (1200mm)
POWER OUTPUT	2KW	2KW	4KW	4KW
BEAM WIDTH (HORIZONTAL)	7 degrees	4.7 degrees	4 degrees	2.4 degrees
BEAM WIDTH (VERTICAL)	25 degrees	25 degrees	25 degrees	25 degrees
ROTATION SPEED	30 rpm	30 rpm	24 rpm	24 rpm
NOISE FIGURE	10dB nominal	10dB nominal	6dB nominal	5dB nominal